04-25-01

INCLUDING

PATENTS, TRADEMARKS. COPYRIGHTS AND UNFAIR COMPETITION

THE CHASE BUILDING 700 LAVACA, SUITE 800 AUSTIN, TEXAS 78701-3102 (5!2) 476-1400 FACSIMILE (512) 703-1250

www.intprop.com

HOUSTON OFFICE

CHASE TOWER 600 TRAVIS, SUITE 1800 HOUSTON, TEXAS 77002-2912 (713) 236-8000 FACSIMILE (713) 238-8008

FILE: 5659-02400 TH1949



ERIC B. MEYERTONS (512) 703-1254 emeyertons@intprop.com

April 24, 2001

"EXPRESS MAIL" MAILING LABEL

NUMBER:

EL822014003US

DATE OF DEPOSIT: April 24, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to The Commissioner for Patents,

Washington, D.C. 2023

ATTN: PATENT APPLICATION

Commissioner for Patents Washington, D.C. 20231

Re:

U.S. Patent Application Entitled "IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION TO INCREASE A

PERMEABILITY OF THE FORMATION" -- Vinegar, et al.

Sir:

Transmitted herewith for filing is a disclosure including a title page, a 274 page specification, 772 pages of claims (Claims 1-5395), and a one page abstract. In addition, we have also included 182 formal drawings on 163 sheets. The disclosure and drawings constitute the application of Harold J. Vinegar, Scott L. Wellington, Eric de Rouffignac, John M. Karanikas, Ilya E. Berchenko, George L. Stegemeier, Kevin A. Maher, Etuan Zhang, Gordon T. Shahin, James L. Menotti, John M. Coles, Thomas D. Fowler, Charlie R. Keedy, Ajay M. Madgavkar, Martijn van Hardeveld, Robert C. Ryan, Lanny Schoeling and Fred G. Carl for the above-entitled invention.

Commissioner for Patents April 24, 2001 Page 2

Please note that this application is filed without an inventor Declaration and filing fees. Applicant requests the Patent and Trademark Office to accept this application and accord a serial number and filing date as of the date this application is deposited with the U.S. Postal Service for Express Mail. Further, the Applicant requests that the NOTICE OF MISSING PARTS-FILING DATE GRANTED be sent to Mr. Del Christensen at the correspondence address set forth below.

Please address all correspondence in connection with this application to:

**DEL CHRISTENSEN** SHELL OIL COMPANY P.O. BOX 2463 HOUSTON, TEXAS 77252-2463 PH: (713) 241-3997

Please date stamp and return the enclosed postcard to evidence receipt of this application.

Respectfully submitted,

Eric B. Meyertons

Reg. No. 34,876

Attorney for Applicant

EBM:etg **Enclosures**